

Abstract.

An overspeed safety device for a pneumatic rotation motor having a stator (10) with an air inlet passage (16), a rotor (12), and a speed governor for determining a maximum speed level, and comprising a speed responsive actuator (34) connected to the rotor (12) and a valve (33) shiftable by the actuator (34) from a normally open position to a closed position so as to block or substantially restrict the air flow through the inlet passage (16) at the attainment of motor speed levels exceeding a predetermined maximum level should the speed governor malfunction, wherein the actuator (34) comprises a spring biased contact element (48) connected to the rotor (12) and responsive to centrifugal action, and the valve (33) comprises a disc-shaped valve element (36) pivotally supported in the inlet passage (16) and maintained in its open position by one magnet (42) and in its closed position by another magnet (43).